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WAVERLEY BLOCK, BETHEL STREET.

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Shasta Ginger-Ale

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BY AUTHORITY.

STANDARD SPECIFICATION FOR SIDEWALK CURB AND PAVE- MENT FOR THE CITY OF HONOLULU.

On and after this date all side-
walks and curbs constructed
within the limits specified below,
shall conform to the following speci-
fications. In accordance with Sec-
tion 371, Civil Laws, 1897.

CURB.

The sidewalk curb shall be of
good quality lava rock in blocks not
less than 30 inches long, six inches
thick at the top edge and sufficient-
ly wide to be held firmly in place by
the street paving; to be hammer
dressed on the outside for a width
of not less than ten inches and on
top edge which must show a uni-
form width of six inches. Blocks
to be well bedded, laid true to line
and grade and the joints between
the blocks filled with cement grout.
At street corners curb to be carried
on a curve the radius of which is
not less than width of sidewalk.

PAVEMENT.

To be artificial stone flagging com-
posed of cement concrete, construct-
ed in alternate slabs in place. It
shall consist of two parts: First, a
base course 3 1/2 inches thick, second
a finishing or wearing course 1 inch
thick.

BASE COURSE.

The base course shall be composed
of three parts crushed blue lava
rock known as No. 2, no piece of
which shall be larger than will go
through a two-inch ring; two parts
of crushed blue rock known as No. 3,
leaving out all which will pass
through a screen of mesh to the
inch; two parts of clean screened
beach or other good sand; one part
of cement. Sand and cement to be
thoroughly mixed before being wet
and then with only enough water to
make a stiff mortar. Wet broken
stone before putting on mortar.
Mortar to be spread evenly over
stone and the mass turned in the
box till thoroughly mixed. The
concrete shall be properly deposited
in place without being scattered
and rammed until the mortar flushes
to the surface, using care to compact
the outer edges.

FINISHING COURSE.

The finishing course of cement
mortar shall be in no place less than
1/2 inch thick and shall be composed
of one part cement and one part of
the fine screenings from the No. 3
rock and two pounds lamp black to
each barrel of cement. It must be
spread on the base course and float-
ed, while the latter is still soft, and
adhesive, after which the surface
will be smoothed and compacted by
thoroughly and skillfully troweling
before the cement is too hard for
such finishing. The work must be
kept moist and protected from the
direct rays of the sun for at least
three days by covering with two
inches of sand.

PREPARING SUB GRADE.

The space to be occupied by the
walk shall be properly graded to a
depth of 4 1/2 inches below top of
finished walk. Any soft, loose or
unsuitable material found in the
sub-grade shall be removed and the
space filled with fine broken stone
or cinders, after which the whole
surface shall be thoroughly compacted
by ramming or rolling and finished
to required grade and cross section.

GRADE.

Unless otherwise especially pro-
vided for, the finished surface shall
be a true plane rising from the curb
grade at the curb line at the rate of
one-fourth inch (1/4 inch) to one foot
(1 foot) to the property line.

PORTLAND CEMENT.

Cement must be of a well known
or standard brand, in good condi-
tion and must stand the test re-
quired for cement in government
contracts.

CONCRETE.

The material used in construction
must be proportioned by exact
measurement, and for this purpose
contractors will be required to pro-
vide themselves with rectangular
boxes for measuring materials and
tight boxes for mixing. No mixing
of materials on pavement will be
permitted. No retempering will be
permitted and concrete which has
already begun to set before being
put in place will be rejected. Con-
crete shall be laid in blocks of not
to exceed three feet in width by the
width of walk and shall be marked
off into squares by the use of proper
marking and jointing tools. Screeds
of sufficient stiffness must be
used to preserve a true and
straight edge to width of the walk

Concrete blocks shall be put in al-
ternating, and each block finished
with top coat immediately so that a
good and sufficient bond may be
had between them. Intermediate
blocks shall not be put in for at
least twelve hours after finishing
the first blocks.

DRIVEWAY.

Whenever driveway occurs, the
artificial stone flagging shall not be
less than eight (8) inches in thick-
ness, and the surface shall be finished
with sufficient longitudinal grooves
or corrugations to provide a safe
foothold for animals. Stone paving
of approved construction may be
submitted for concrete in driveways.

BITUMINOUS PAVEMENT.

Outside of the limits mentioned
for cement paving, the property
owners shall have the option of con-
structing sidewalk pavement of
either cement concrete as specified
or of approved bituminous material.

LIMITS.

The specifications for cement
pavement shall apply to all sidewalks
constructed in the City of Honolulu,
Island of Oahu, within the limits,
bounded by the waterfront, com-
mencing from the Marine Railway
to River street, thence along River
to Vineyard street to Nuanu street
to School street, thence East along
School street to Lusitana street,
thence along Kinuau street to Victo-
ria street, thence down along Victo-
ria street to King street, thence
west along King street to South
street thence down South street to
Queen street, thence West along
Queen street to Punchbowl street in
a direct line to place of commence-
ment, including both sides of the
streets named and also King street
as far as the Palama Pumping Sta-
tion, Nuanu avenue, as far as Judd
street, and Beretania avenue from
River to King streets.

The specifications for curb and for
option of bituminous pavement shall
apply to that portion of Honolulu
bounded on the south east by a line
running N.E. true from the sea pass-
ing through the Diamond Head
trig, station; on the northwest by
the Kalihi stream, on the makai side
by the sea and on the mauka side by
a line parallel to, and one and one-
half miles from the water front.

NOTIFICATION — Property owners
will be notified when they are re-
quired to construct sidewalks.

J. A. McCANDLESS,
Superintendent of Public Works.
Honolulu, Sept. 25, 1900. 1711-61.

TIMELY TOPICS.

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If you want a windmill to be oper-
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If you want a windmill that has
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If you want a windmill that will
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your barn, that will run the
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The AERMOTOR will last longer
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The Hawaiian Hardware Co., Ltd
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He li wahine ulaula hualuili Ka
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kuniia, a he 900 paona paha kona
kaumaha. Ua manao wale ia ua
hele auwana no ke kula ma ke kua
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makana i kekahi mea e loa ai ma
a ui ana mai ma keia keena.
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\$4,000 LEASEHOLD ON BERE-
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OCULIST AND AURIST.

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